

of herbage, aerial apetalous flowers and fruits, and large obcordate petals instead of deeply coloured and cuspidately acute ones."

VIOLA MACCOUNII, Greene, Pittonia, vol. III, p. 335.

(Plate 1, Fig. 1, a, b.)

Rather larger than the preceding ; early leaves subreniform-deltoid, 1 inch long,  $1\frac{1}{2}$  inches broad, firm and rather fleshy, crenate, villous-hirsute beneath and on the upper part of the petiole, only sparsely hairy above, but the margin ciliate ; pedicels bibracteolate in the middle ; sepals broad, obtuse, ciliate, somewhat callous-tipped ; petals lavender-colour, very deciduous or almost caducous, all remarkably narrow and elongated, the two upper rather smaller than the others, the odd one the largest, all sparsely hairy over almost the whole inner face, the claws more or less distinctly ciliate ; peduncles of the late apetalous flowers slender, short, horizontal, buried under decaying leaves or twigs ; their pods distinctly trigonous, short and thick, as broad as long, dark with numerous purple blotches, the shortly and obtusely lanceolate sepals and their auricles ciliate.

On dry limestone shingle, growing among grasses in the shade of cedars. Very abundant at the foot of the ledge of rocks that runs from the north-east corner of Rideau Hall grounds to the Ottawa River at Governor's Bay. The type locality. Distributed under Herb. No. 18,746. Collected by Prof. John Macoun west of the Beaver Meadows, Hull, Que., Herb. No. 18,900. First collected at the type station in 1884 and labelled "form 3" of *V. cucullata*.

VIOLA VENUSTULA, Greene, Pittonia, vol. III, p. 335.

(Plate 1, Fig. 2, c, d.)

Dwarf with light-green glabrous herbage ; leaves cordate-ovate and deltoid-ovate, acutish, rather sharply and serrately crenate, cucullate when young, the blade less than an inch long, the slender petioles 1 to 3 inches long ; earliest peduncles barely equalling the leaves, the later surpassing them ; corolla large for the plant, often  $\frac{1}{2}$  inch or more in breadth, deep violet-blue ;